

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049564.D
 Acq On : 30 Jun 2022 15:32
 Operator : SY/MD
 Sample : N3458-01DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW17811-20220621DL

Quant Time: Jul 01 05:25:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

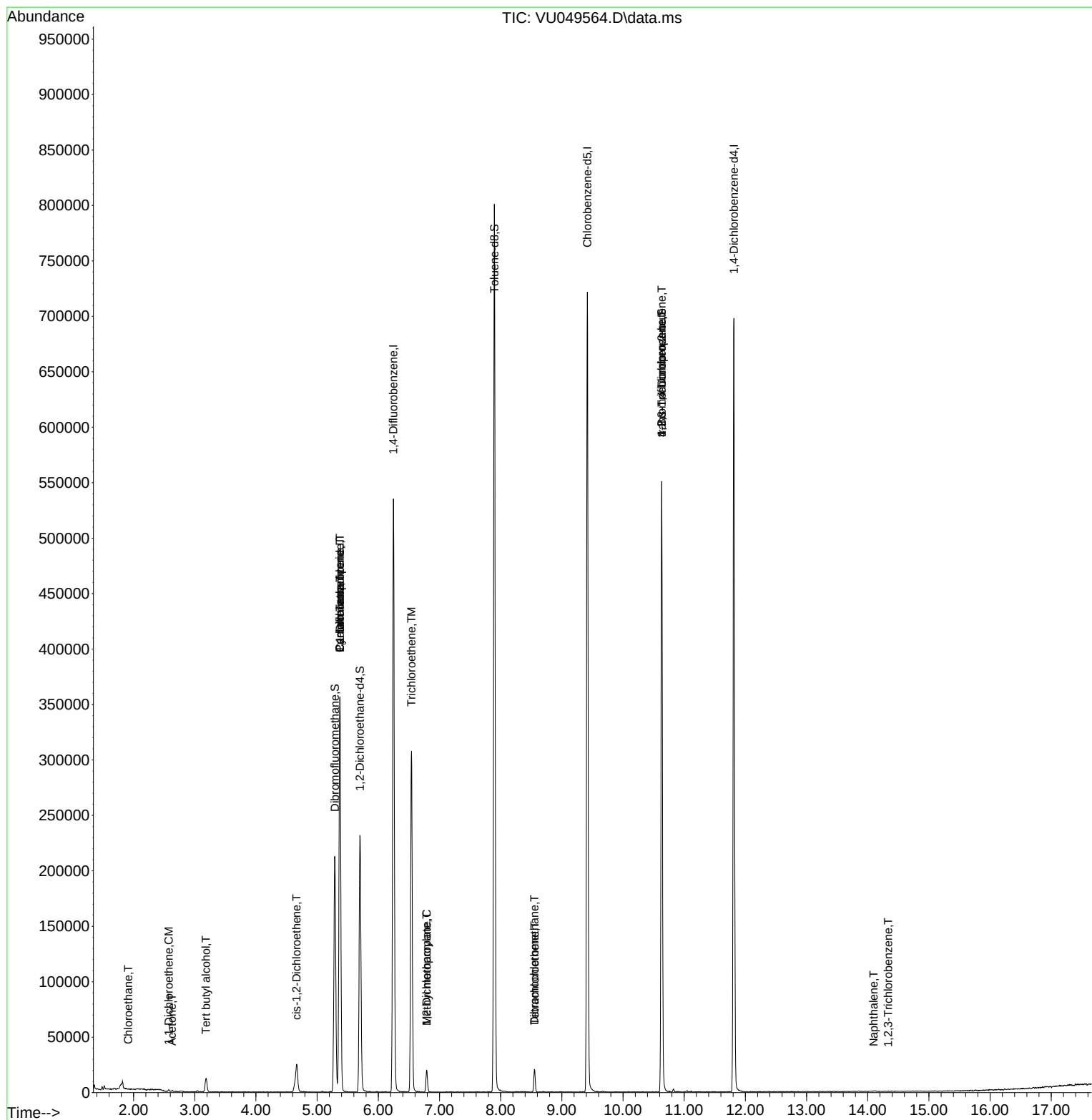
Internal Standards						
1) Pentafluorobenzene	5.372	168	243182	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	432812	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	393538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	181511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	172749	46.126	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.260%		
35) Dibromofluoromethane	5.289	113	138296	45.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.340%		
50) Toluene-d8	7.896	98	517254	47.893	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.780%		
62) 4-Bromofluorobenzene	10.632	95	187007	45.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.400%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2742	Below Cal		98
6) Chloroethane	1.912	64	21	1.926 ug/l	#	44
11) Tert butyl alcohol	3.183	59	7638	8.713 ug/l	#	37
12) 1,1-Dichloroethene	2.575	96	627	0.237 ug/l	#	78
16) Acetone	2.626	43	1070	0.567 ug/l	#	84
20) Methylene Chloride	3.044	84	363	Below Cal	#	57
27) cis-1,2-Dichloroethene	4.665	96	11580	3.520 ug/l		97
31) Cyclohexane	5.372	56	5753	1.023 ug/l	#	22
36) 1,1-Dichloropropene	5.372	75	20279	4.619 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	24199	5.255 ug/l	#	15
44) Trichloroethene	6.542	130	102821	32.629 ug/l		85
45) 1,2-Dichloropropane	6.790	63	8019	2.183 ug/l		98
48) Methyl methacrylate	6.790	41	3697	0.897 ug/l	#	30
60) Dibromochloromethane	8.552	129	4426	1.307 ug/l	#	11
64) Tetrachloroethene	8.555	164	4647	1.841 ug/l		95
76) 1,2,3-Trichloropropane	10.632	75	96953	15.757 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	96953	58.188 ug/l	#	15
95) Naphthalene	14.095	128	385	1.762 ug/l	#	69
96) 1,2,3-Trichlorobenzene	14.333	180	44	1.187 ug/l	#	83

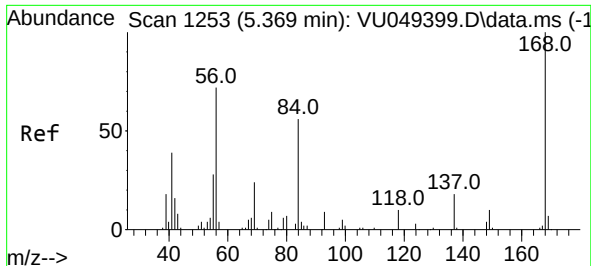
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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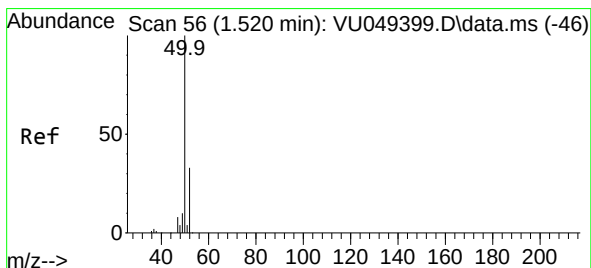
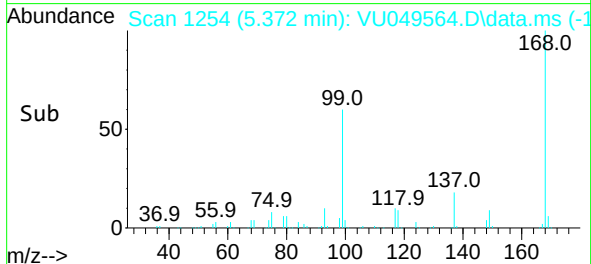
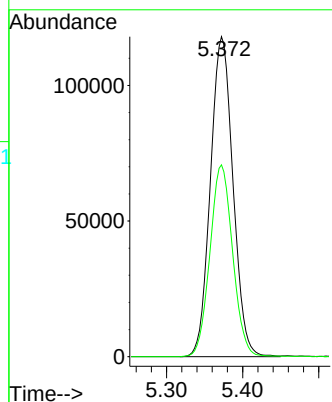
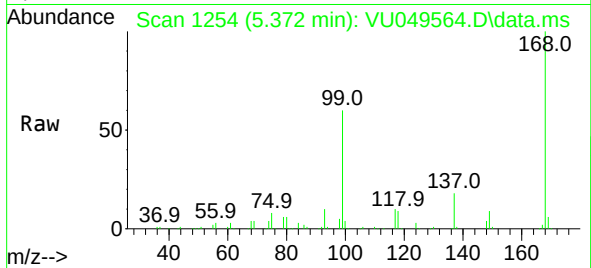




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

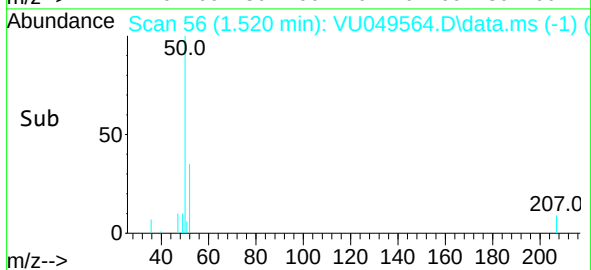
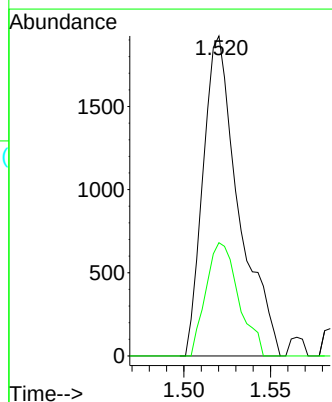
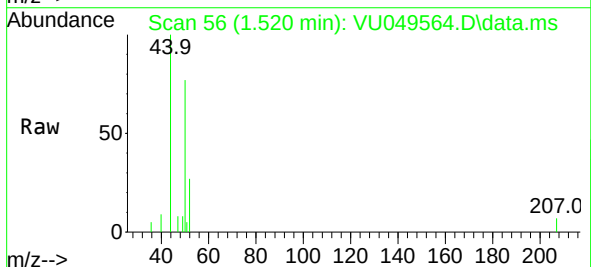
Instrument :
MSVOA_U
ClientSampleId :
MW178I1-20220621DL

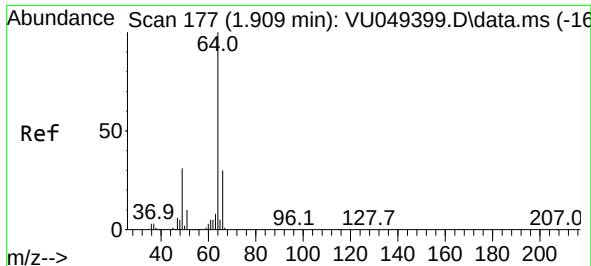
Tgt Ion:168 Resp: 243182
Ion Ratio Lower Upper
168 100
99 59.9 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion: 50 Resp: 2742
Ion Ratio Lower Upper
50 100
52 35.4 27.4 41.2

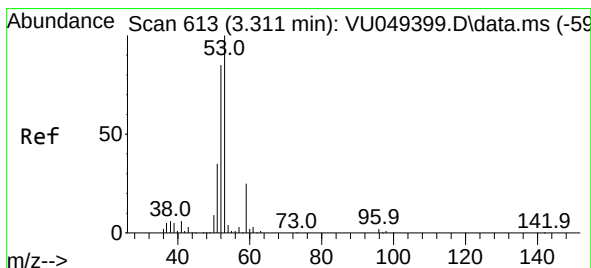
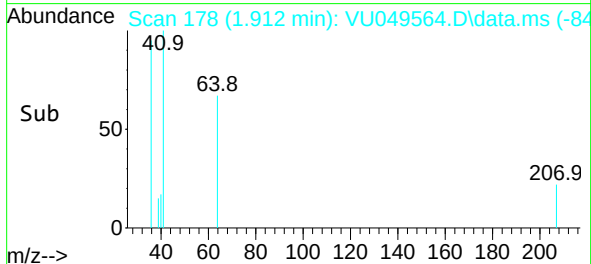
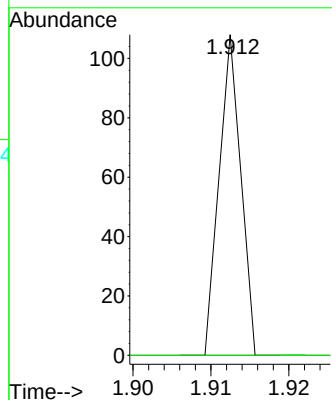
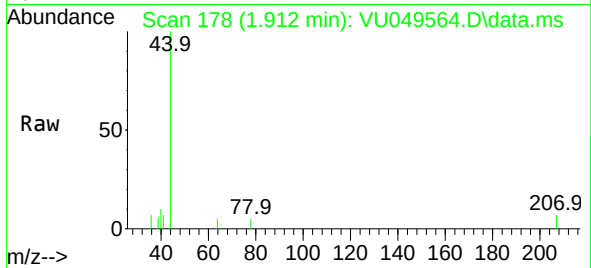




#6
Chloroethane
Concen: 1.926 ug/l
RT: 1.912 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

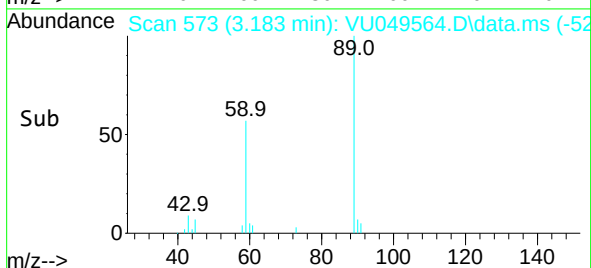
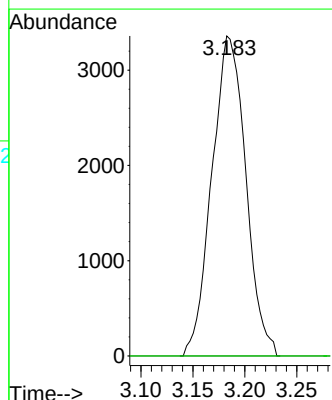
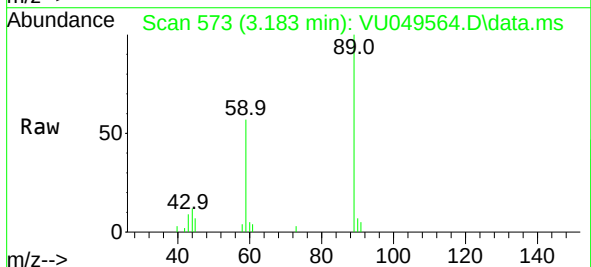
Instrument :
MSVOA_U
ClientSampleId :
MW178I1-20220621DL

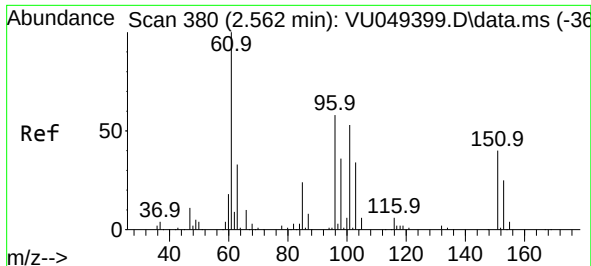
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 8.713 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.128 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion: 59 Resp: 7638
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#12

1,1-Dichloroethene

Concen: 0.237 ug/l

RT: 2.575 min Scan# 380

Delta R.T. 0.013 min

Lab File: VU049564.D

Acq: 30 Jun 2022 15:32

Instrument :

MSVOA_U

ClientSampleId :

MW17811-20220621DL

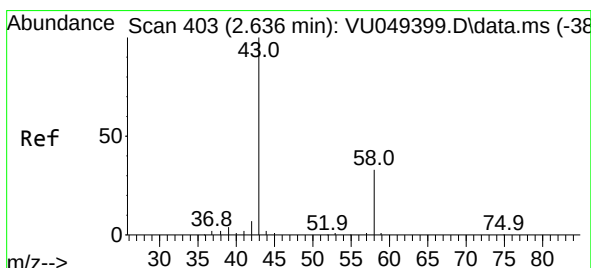
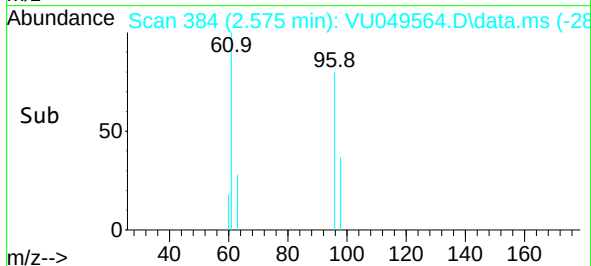
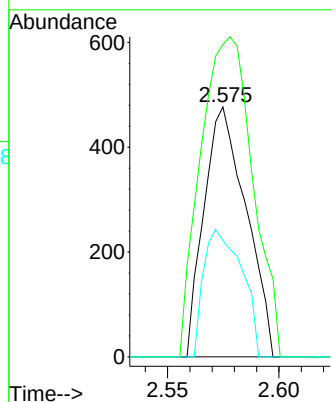
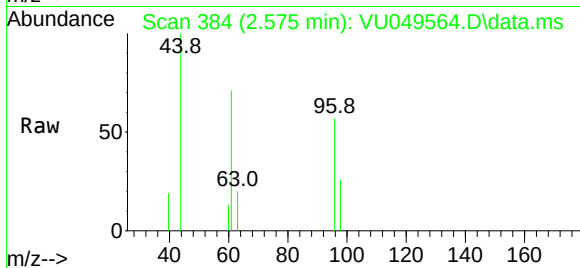
Tgt Ion: 96 Resp: 627

Ion Ratio Lower Upper

96 100

61 124.9 122.2 183.2

98 46.5 50.7 76.1#



#16

Acetone

Concen: 0.567 ug/l

RT: 2.626 min Scan# 400

Delta R.T. -0.010 min

Lab File: VU049564.D

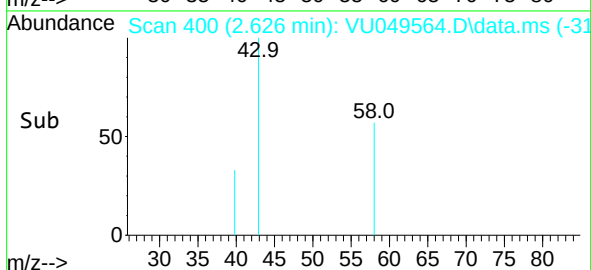
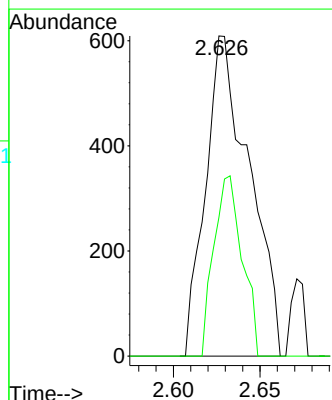
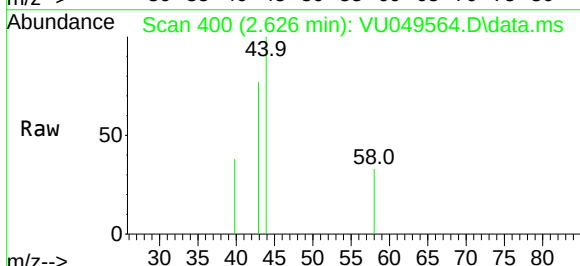
Acq: 30 Jun 2022 15:32

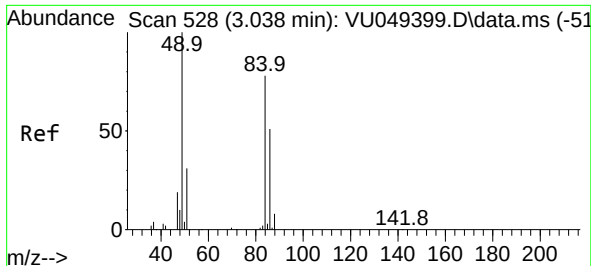
Tgt Ion: 43 Resp: 1070

Ion Ratio Lower Upper

43 100

58 43.3 27.5 41.3#

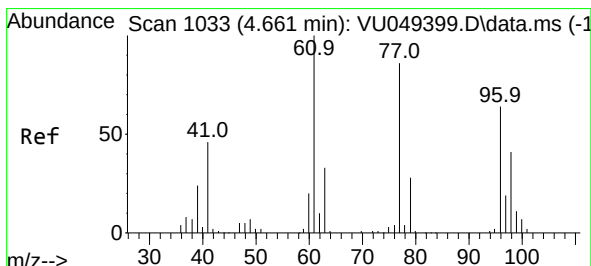
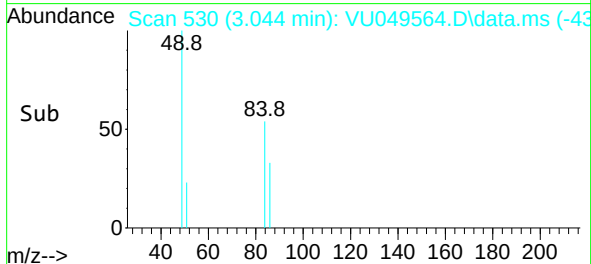
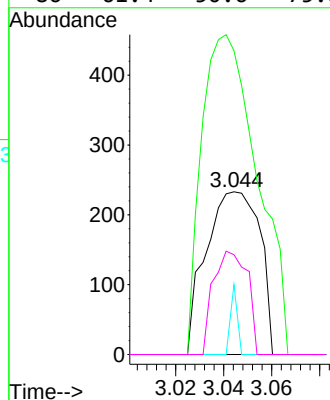
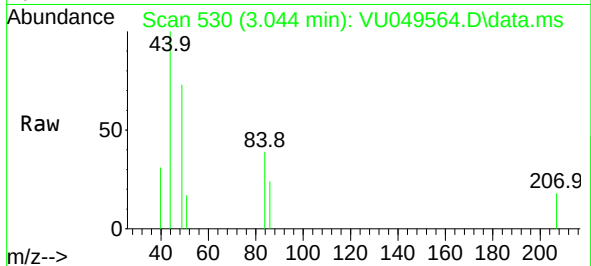




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

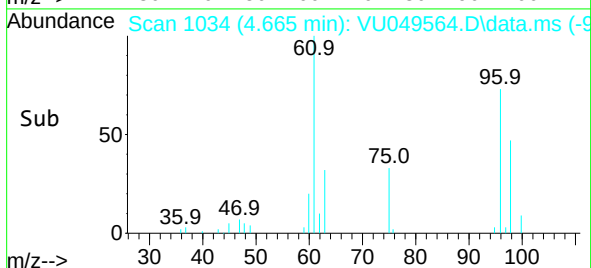
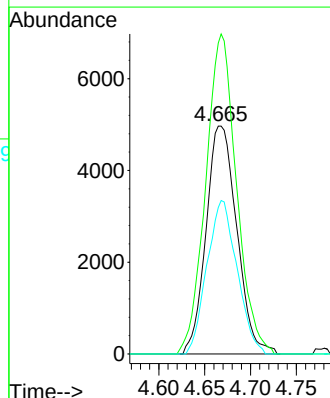
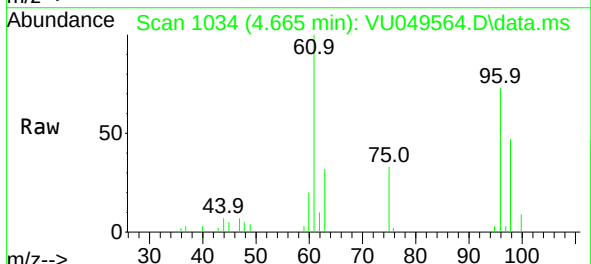
Instrument :
MSVOA_U
ClientSampleId :
MW17811-20220621DL

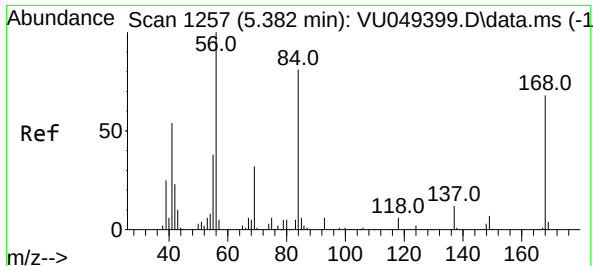
Tgt Ion:	84	Resp:	363
Ion	Ratio	Lower	Upper
84	100		
49	186.7	86.6	129.8#
51	42.9	26.6	40.0#
86	61.4	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 3.520 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

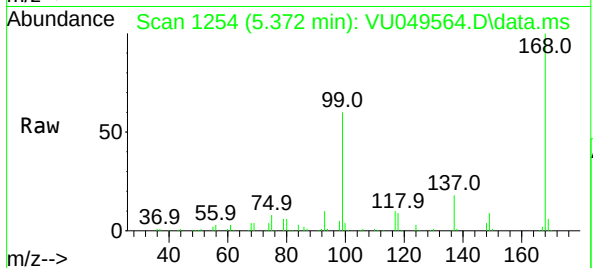
Tgt Ion:	96	Resp:	11580
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	271.6
98	65.9	0.0	128.2



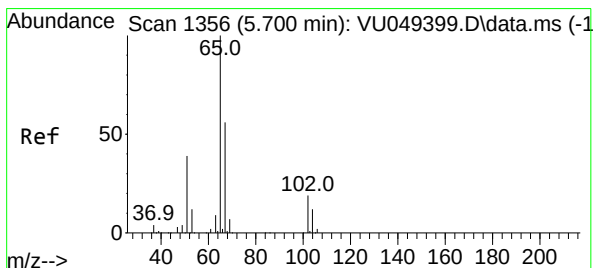
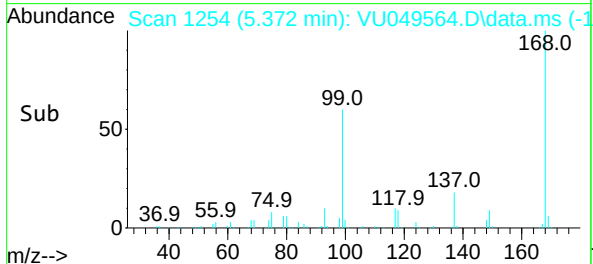
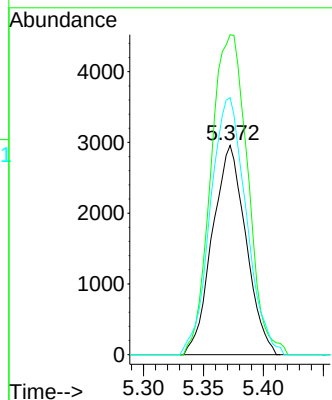


#31
Cyclohexane
Concen: 1.023 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Instrument :
MSVOA_U
ClientSampleId :
MW178I1-20220621DL

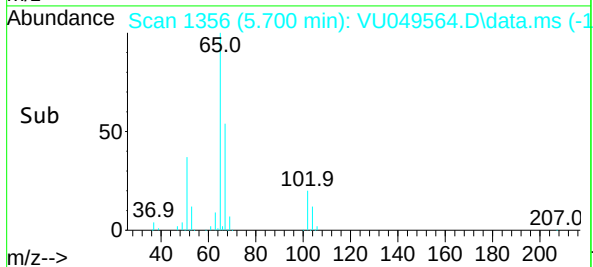
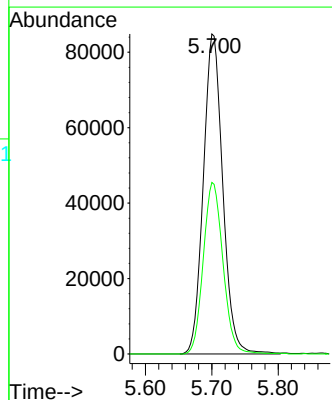
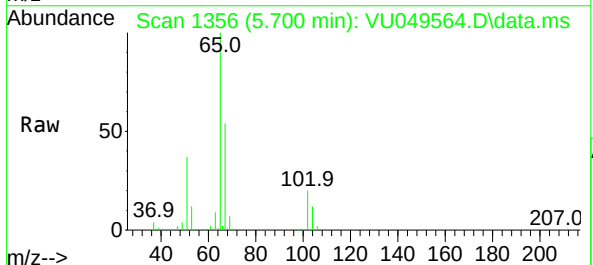


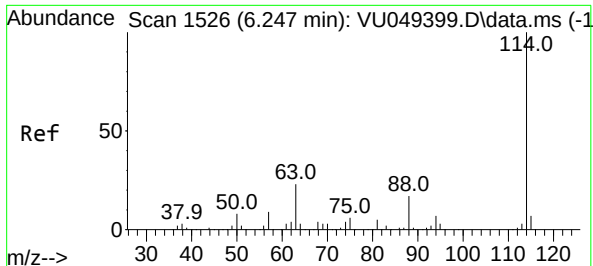
Tgt Ion: 56 Resp: 5753
Ion Ratio Lower Upper
56 100
69 152.9 27.8 41.8#
84 122.8 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 46.126 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion: 65 Resp: 172749
Ion Ratio Lower Upper
65 100
67 54.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 114

Delta R.T. 0.000 min

Lab File: VU049564.D

Acq: 30 Jun 2022 15:32

Instrument :

MSVOA_U

ClientSampleId :

MW178I1-20220621DL

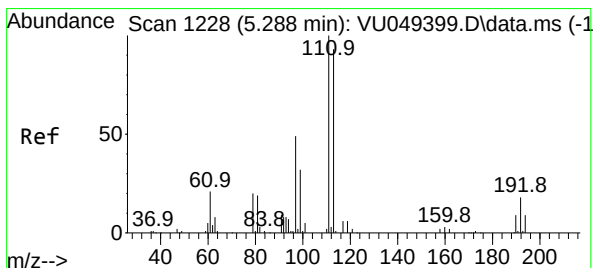
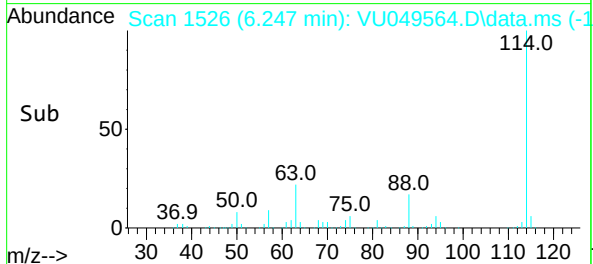
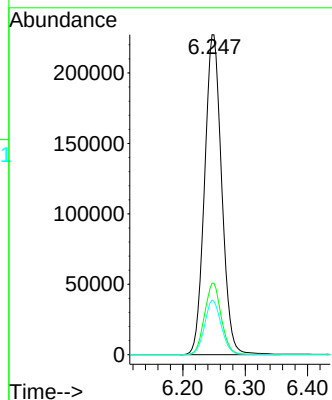
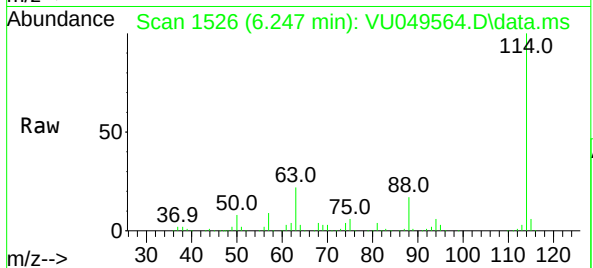
Tgt Ion:114 Resp: 432812

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 17.1 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.671 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049564.D

Acq: 30 Jun 2022 15:32

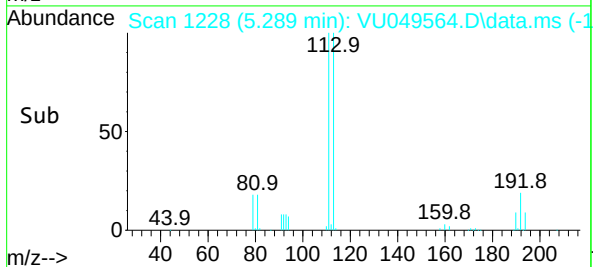
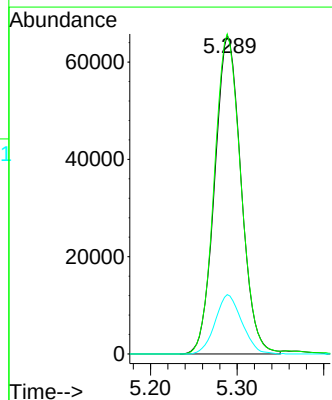
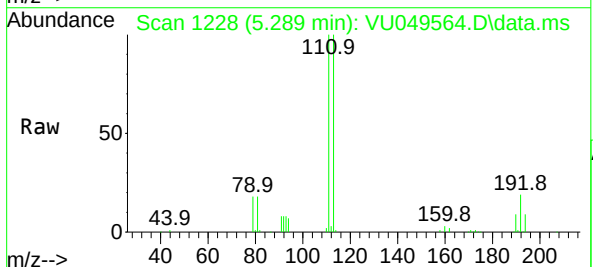
Tgt Ion:113 Resp: 138296

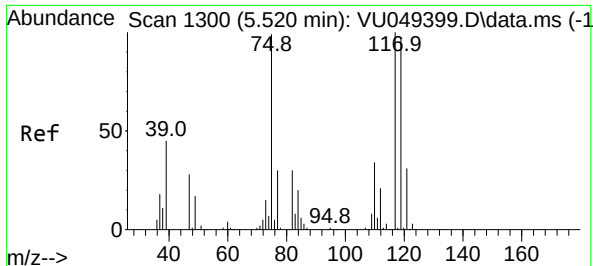
Ion Ratio Lower Upper

113 100

111 101.0 82.1 123.1

192 18.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049564.D

Acq: 30 Jun 2022 15:32

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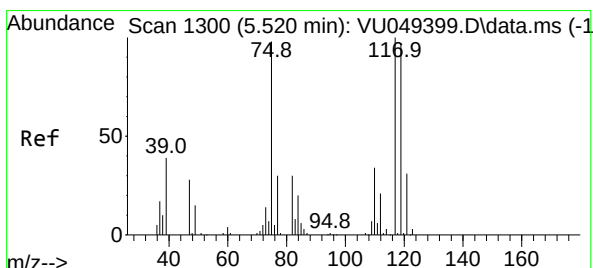
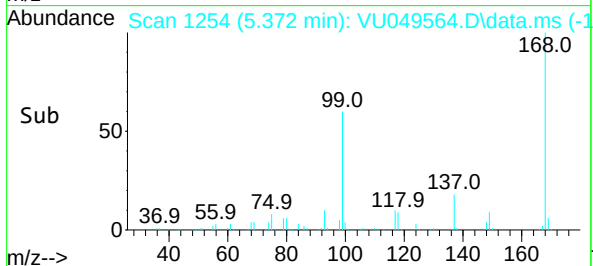
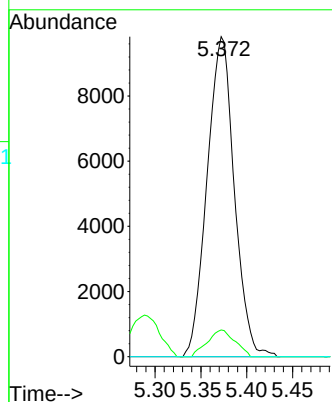
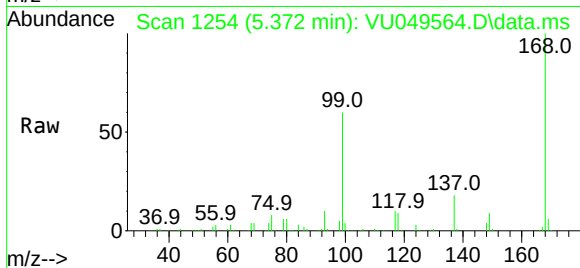
Tgt Ion: 75 Resp: 20279

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.255 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049564.D

Acq: 30 Jun 2022 15:32

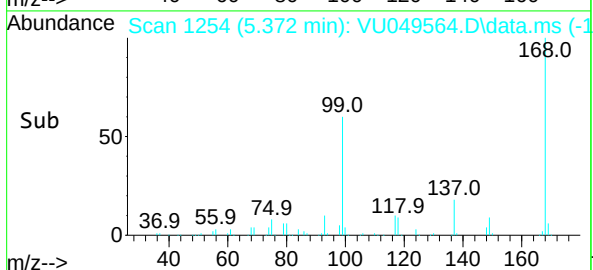
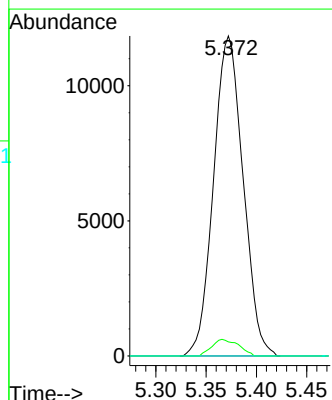
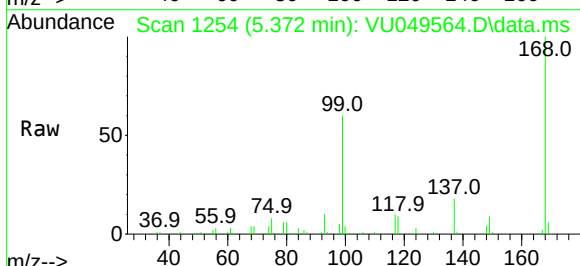
Tgt Ion: 117 Resp: 24199

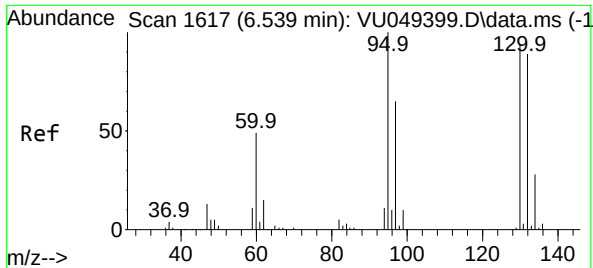
Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

121 0.0 24.7 37.1#

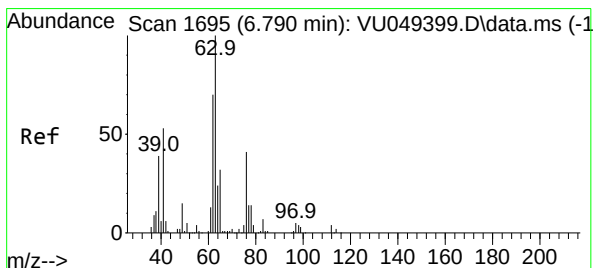
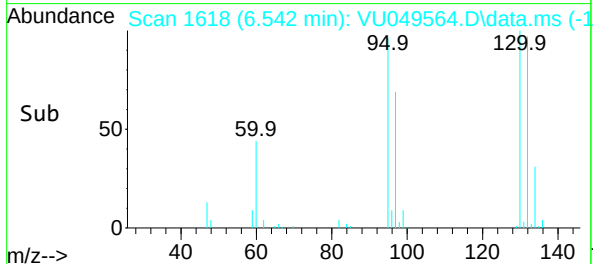
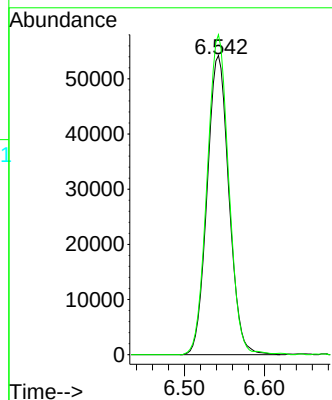
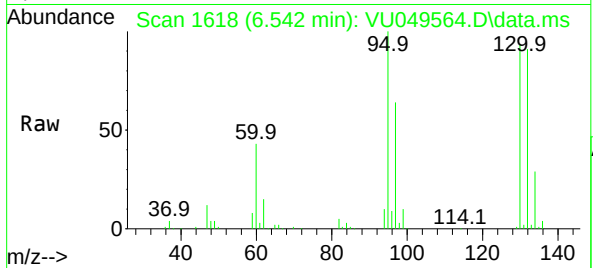




#44
Trichloroethene
Concen: 32.629 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

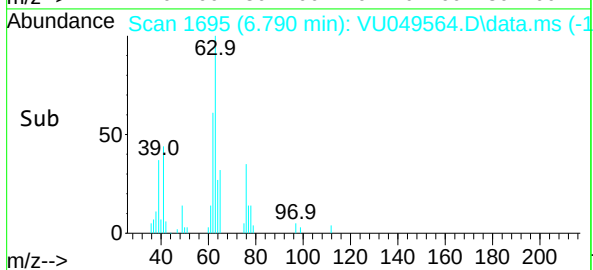
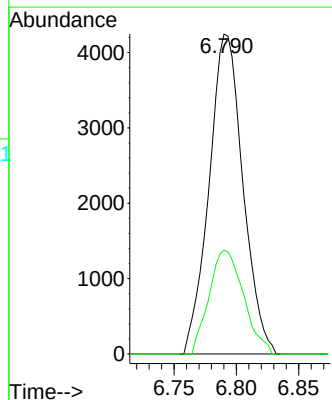
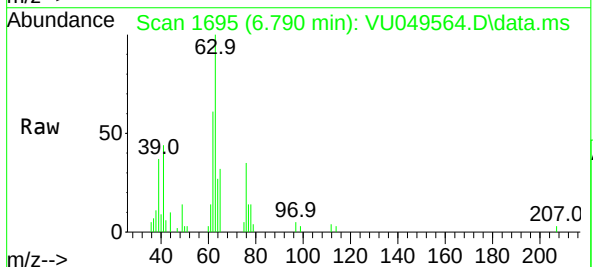
Instrument :
MSVOA_U
ClientSampleId :
MW178I1-20220621DL

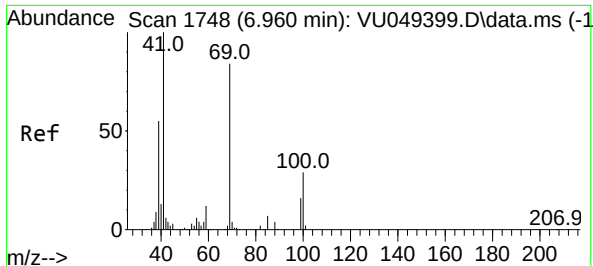
Tgt Ion:130 Resp: 102821
Ion Ratio Lower Upper
130 100
95 107.0 0.0 184.6



#45
1,2-Dichloropropane
Concen: 2.183 ug/l
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion: 63 Resp: 8019
Ion Ratio Lower Upper
63 100
65 32.4 25.0 37.4

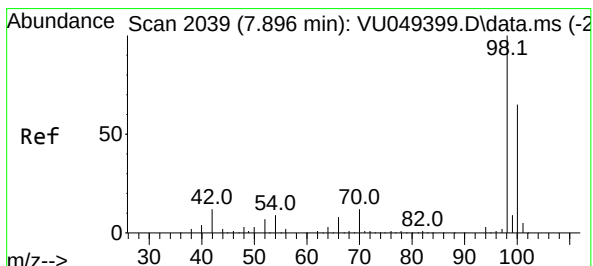
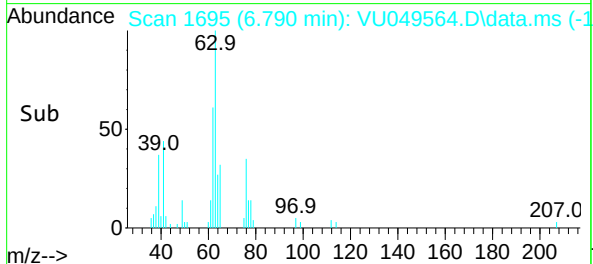
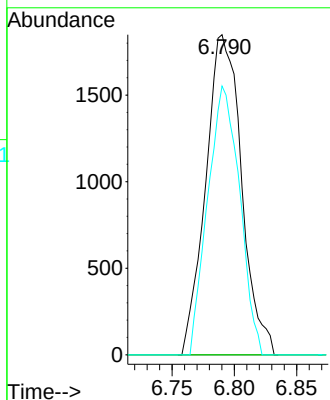
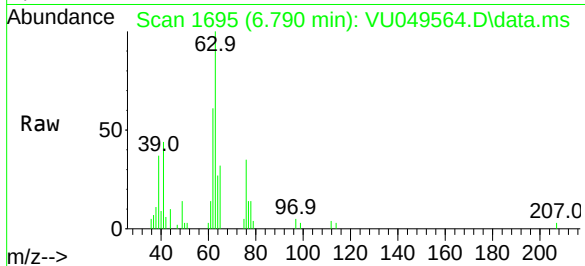




#48
Methyl methacrylate
Concen: 0.897 ug/l
RT: 6.790 min Scan# 1
Delta R.T. -0.170 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

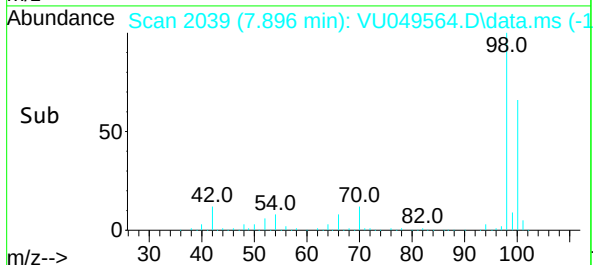
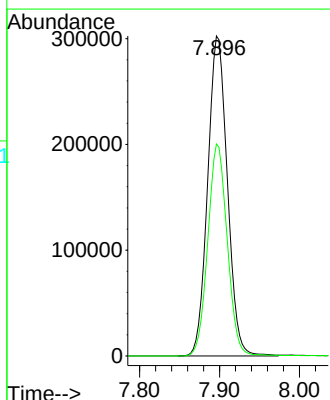
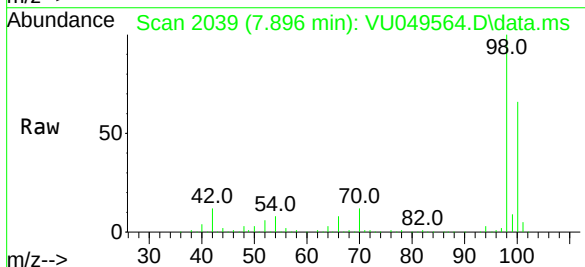
Instrument :
MSVOA_U
ClientSampleId :
MW17811-20220621DL

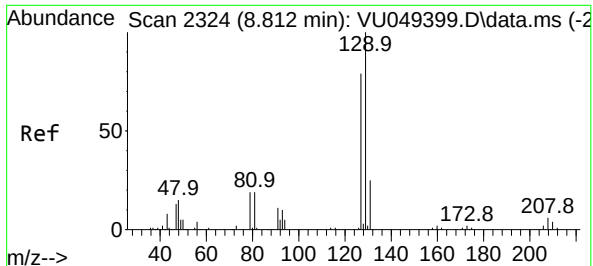
Tgt Ion: 41 Resp: 3697
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 74.8 47.9 71.9#



#50
Toluene-d8
Concen: 47.893 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion: 98 Resp: 517254
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

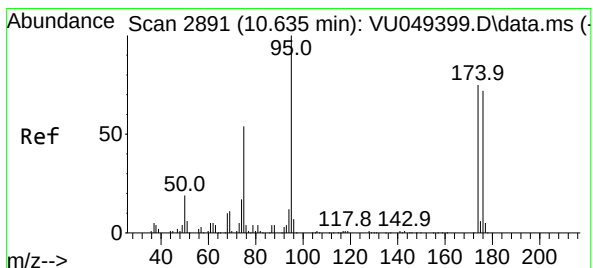
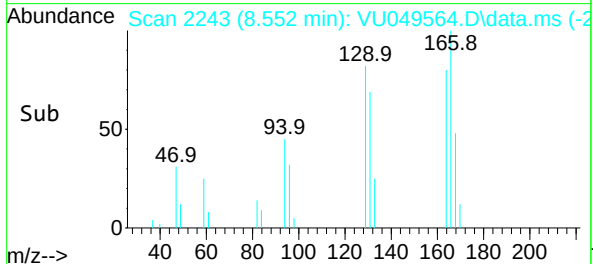
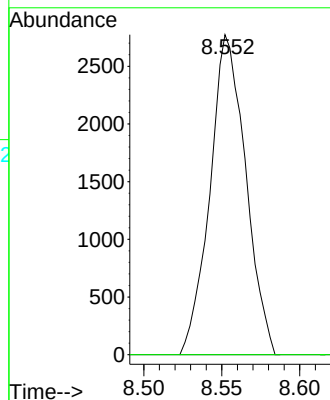
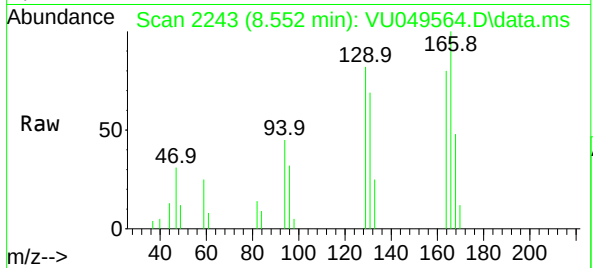




#60
Dibromochloromethane
Concen: 1.307 ug/l
RT: 8.552 min Scan# 211
Delta R.T. -0.260 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

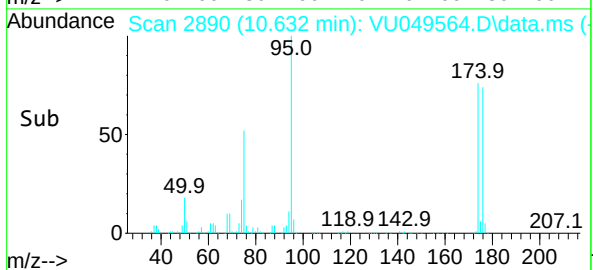
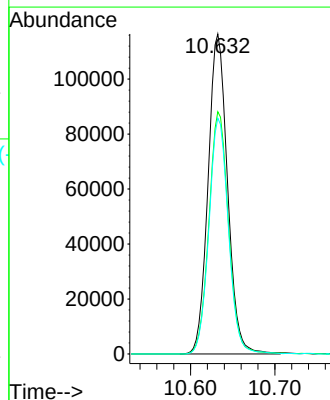
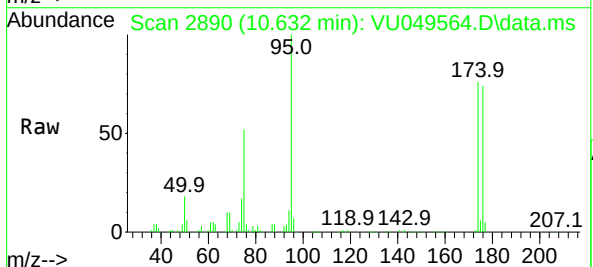
Instrument :
MSVOA_U
ClientSampleId :
MW178I1-20220621DL

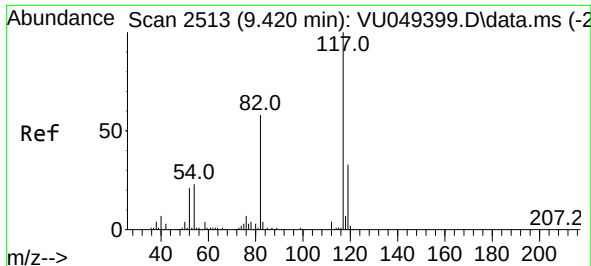
Tgt Ion:129 Resp: 4426
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 45.201 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion: 95 Resp: 187007
Ion Ratio Lower Upper
95 100
174 76.5 0.0 182.0
176 73.7 0.0 177.8

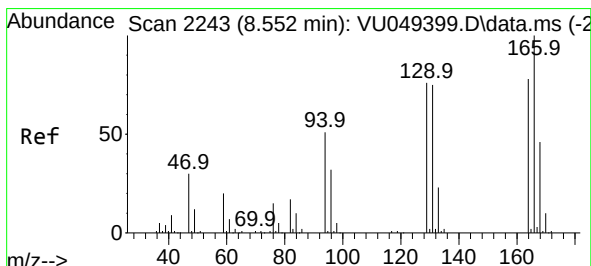
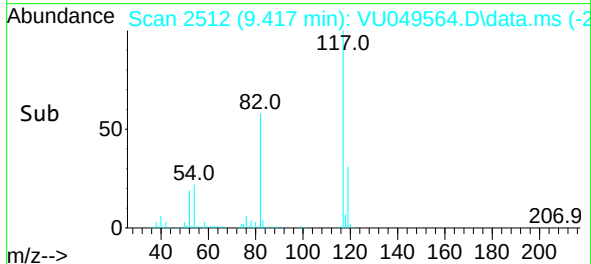
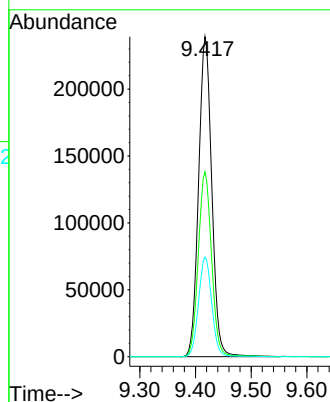
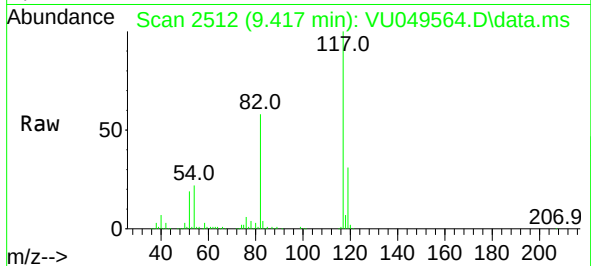




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

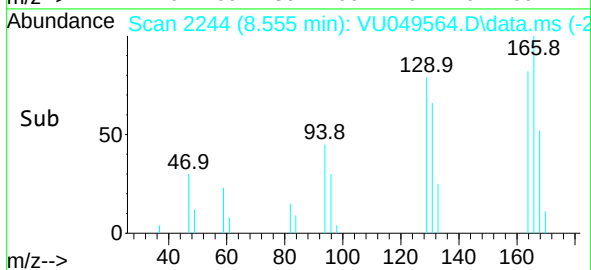
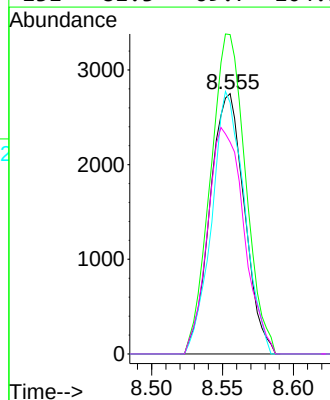
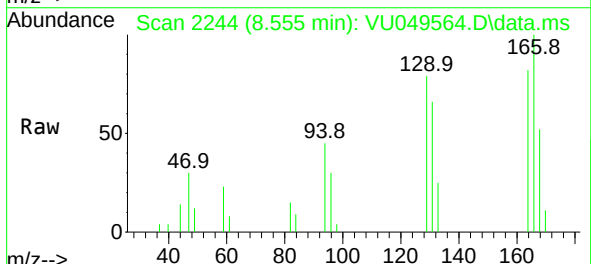
Instrument :
MSVOA_U
ClientSampleId :
MW17811-20220621DL

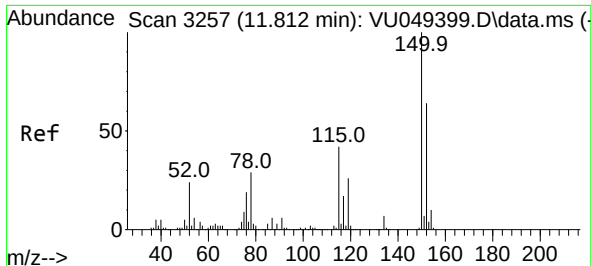
Tgt Ion:117 Resp: 393538
Ion Ratio Lower Upper
117 100
82 57.7 41.7 62.5
119 31.2 25.7 38.5



#64
Tetrachloroethene
Concen: 1.841 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Tgt Ion:164 Resp: 4647
Ion Ratio Lower Upper
164 100
166 122.7 100.0 150.0
129 96.5 72.0 108.0
131 81.3 69.7 104.5

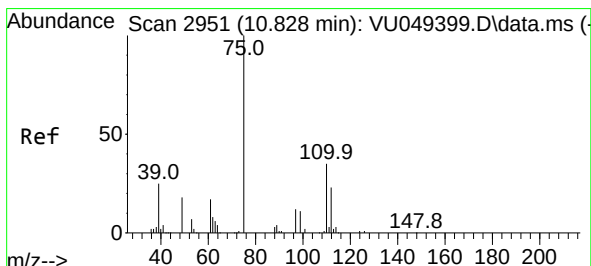
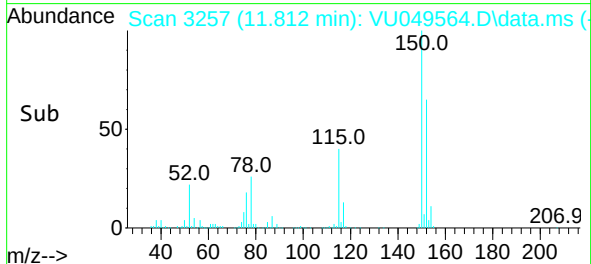
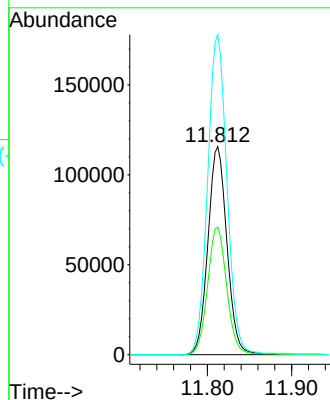
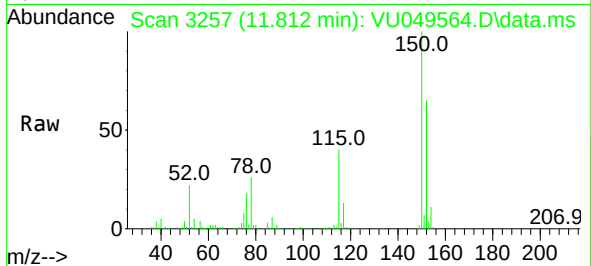




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049564.D
 Acq: 30 Jun 2022 15:32

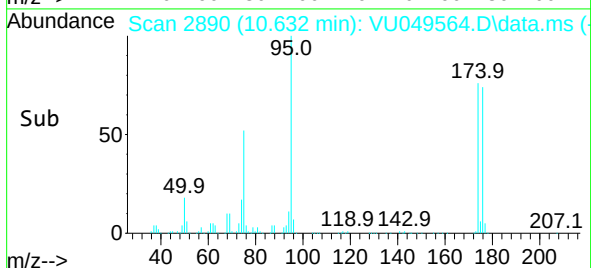
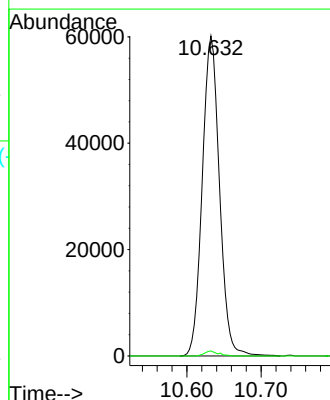
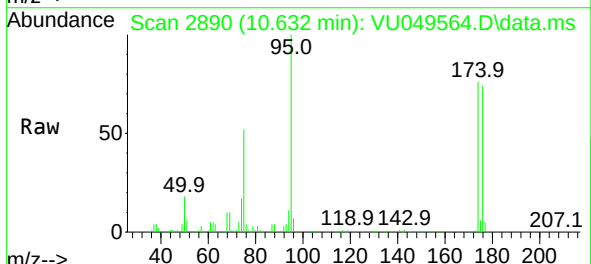
Instrument :
 MSVOA_U
 ClientSampleId :
 MW17811-20220621DL

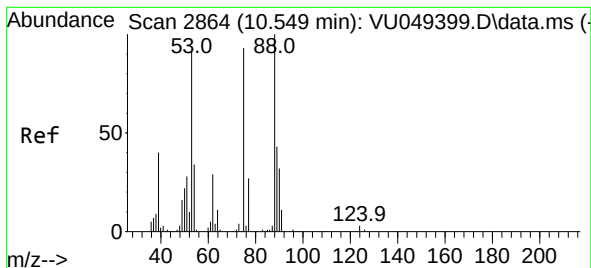
Tgt Ion:152 Resp: 181511
 Ion Ratio Lower Upper
 152 100
 115 61.9 37.0 110.9
 150 157.0 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.757 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049564.D
 Acq: 30 Jun 2022 15:32

Tgt Ion: 75 Resp: 96953
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

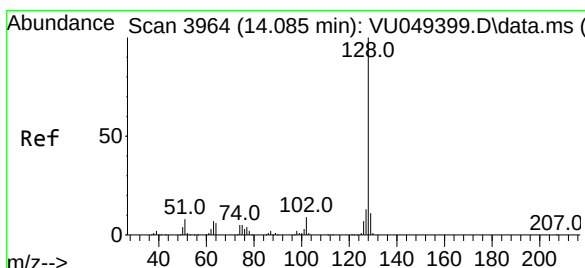
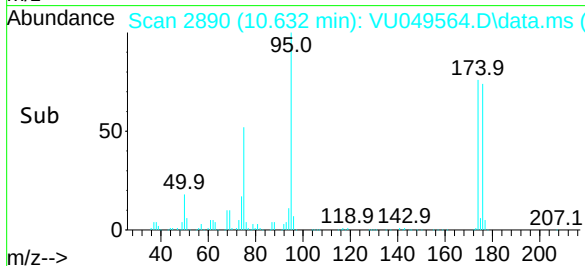
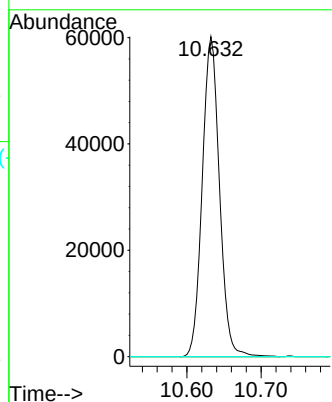
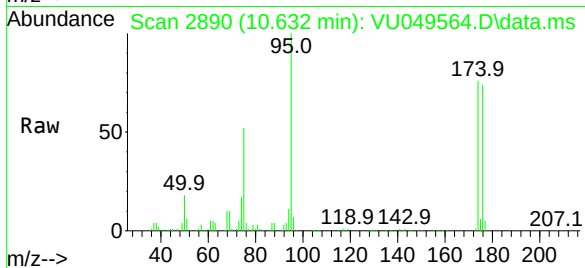




#81
trans-1,4-Dichloro-2-butene
Concen: 58.188 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

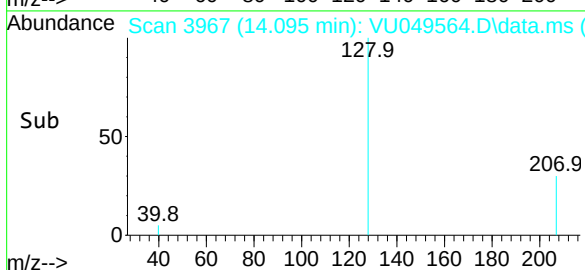
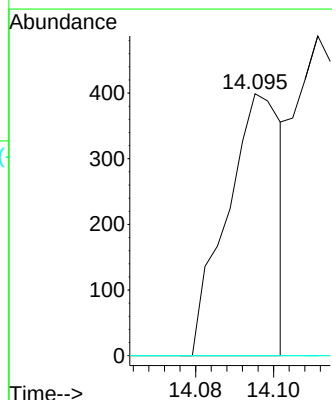
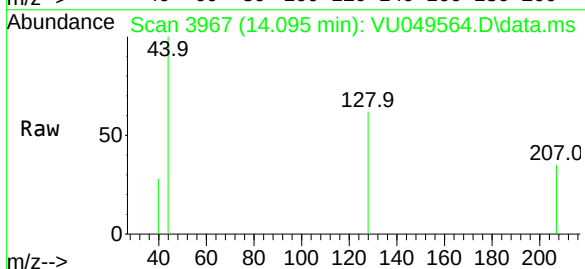
Instrument :
MSVOA_U
ClientSampleId :
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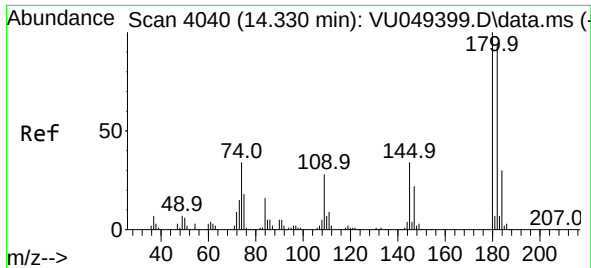
Tgt Ion: 75 Resp: 96953
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.762 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

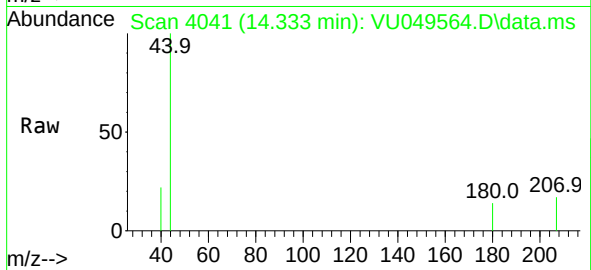
Tgt Ion: 128 Resp: 385
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
1,2,3-Trichlorobenzene
Concen: 1.187 ug/l
RT: 14.333 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU049564.D
Acq: 30 Jun 2022 15:32

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	48.4	145.0
145	0.0	14.8	44.4#

